

16 OCT 1979

MEMORANDUM FOR: Chief, Logistics Services Division, OL

STATINTL

FROM:

Project Engineer, Field Engineering Branch, OL

SUBJECT:

Weight Load Analysis Medical Service Area
Headquarters

1. Per request, the enclosed analyses are based on floor design load of 100 pounds per square feet (PSF) which resulted in a space layout allowable load of two and one half times the design load which is equal to 250 PSF. The analyses are as follows:

$$\text{PSF} = \frac{\text{Unit weight}}{\text{Unit (area)}^2}$$

A. REMCO	$\frac{6864 \text{ lbs.}}{34 \text{ ft.}^2}$	= 202 PSF	<u>OK</u>
B. ACME	$\frac{6906 \text{ lbs.}}{29 \text{ ft.}^2}$	= 238 PSF	<u>OK</u>
C. WHITE NATIONAL	$\frac{7470 \text{ lbs.}}{27 \text{ ft.}^2}$	= 277 PSF	<u>Not OK</u>

2. The analyses show that A and B file units are satisfactory but C is not. Therefore, the recommendations are files from Remco or Acme Company are satisfactory.

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